



27th-28th April 2018



A TWO DAY WORKSHOP
ON
AI AND ITS APPLICATIONS

BY
DR. P. SAMMULAL
JNTU-H,CEJ

Organised By
DEPARTMENT OF CSE

Venue : SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Bandlaguda, Nagole, Hyderabad, Telangana 500068.



Dr. P. Sammulal

Associate Professor

MISTE

Computer Science & Engineering

Areas of Interest:

Data Mining

Advanced Computing Techniques

Algorithms and Web Technologies

- , Educational & Professional

- , Academic Qualifications

- , PhD in Computer Science and Engineering, Osmania University (2004-2010)
- , MTech in Computer Science , Jawaharlal Nehru Technological University (2000-2002)
- , BE in Computer Science and Engineering, Osmania University (1996-2000)

- , Professional Experience

- , Teaching Experience

- , Associate Professor, JNTUH College of Engineering Jagtial (2016-01-01 - Till Date)
- , Assistant Professor (SGS), JNTUH College of Engineering Jagtial (2012-07-30 - 2015-12-15)
- , Assistant Professor (Sr. Scale), JNTUH College of Engineering Jagtial (30-07-2007 - 2012-07-29)
- , Assistant Professor, JNTU Kakinada (2006-11-18 - 2007-07-29)
- , Assistant Professor, J.B.I.E.T, HYD, JNTUH (2006-07-04 - 2006-11-15)
- , Assistant Professor, VREC, Nizamabad, JNTUH (2002-07-23 - 2006-06-30)

- , At JNTUH

- , Associate Professor, JNTUH College of Engineering Jagtial (2016 - Till Date)
- , Assistant Professor, JNTUH College of Engineering Jagtial (2008 - 2016)
- , Assistant Professor, JNTU Kakinada (2006 - 2008)

- , Books

- , Dr. P. Sammulal, *Design and Analysis of Algorithms*, BSP Publishers, 978-93-5230-084-7, 2016
- , Dr. P. Sammulal, Peddi Kishor, *Web Technologies and Applications*, BSP Publishers, 978-93-5230-084-6, 2016

- , Publications

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-> Events Participated/Organized

- Organized

- > Organized a Symposium on Cresence - 2019, Dept. of CSE, JNTUHCE, Nachupally, Karimnagar., 22-03-2019 to 23-03-2019
- > Organized a Workshop on Internet of Things, JNTUHCE, Nachupally, Karimnagar., 11-03-2019 to 12-03-2019

- Participated

- > Participated in a FDP on *Cloud Computing & its Applications*, GNITC, IBRAHIMPATNAM, 11-12-2017 to 16-12-2017
- > Participated in a Orientation Course on *National Service Scheme*, UGC HRDC, ACADEMIC STAFF COLLEGE, Osmania University, 17-11-2016 to 23-11-2016
- > Participated in a Conference on *An Innovative Imputation and Classification Approach for Accurate Disease Prediction (ICTCS-2016)*, Udaipur, 05-03-2016 to 06-03-2016
- > Participated in a Workshop on *Internet of Things*, JNTUHCE, Nachupally, Karimnagar., 28-01-2016 to 29-01-2016
- > Participated in a FDP on *Pervasive and Mobile Computing*, NIT, WARANGAL, 24-11-2015 to 03-12-2015
- > Participated in a Refresher Course on *The Current Technology Trends in Information Technology*, UGC ACADEMIC STAFF COLLEGE, JNTUH HYDERABAD-500085, 09-06-2014 to 28-06-2014
- > Participated in a Refresher Course on *Research Methodology*, JNTUHCE, Nachupally, Karimnagar., 11-06-2012 to 30-06-2012
- > Participated in a Refresher Course on *Information System Security*, UGC ACADEMIC STAFF COLLEGE, JNTU HYDERABAD-500085, 09-11-2009 to 30-11-2009
- > Participated in a Orientation Course on *Information Technology*, UGC ACADEMIC STAFF COLLEGE, JNTU HYDERABAD-500085, 08-06-2009 to 04-07-2009
- > Participated in a Conference on *An Efficient Approach for Mining Positive and Negative Associational Databases, Pp: 1-5*, RVS Technical Campus, Coimbatore & Inventive Research Organization, India,
- > Participated in a Conference on *New Machine Learning based Approach for Predictive Modeling on Spatial Data (IEEE ICACCI 2017 Conference)*, Manipal University, Karnataka, India,
- > Participated in a Conference on *A Novel approach for approximation based spatial data classification (IEEEPS -18)*, VNRVJIT, HYDERABAD,
- > Participated in a Conference on *A Personalized Recommender System using Conceptual Dynamics (ICCI-2016)*, Dept. of CSE, JNTUH, Hyderabad,
- > Participated in a Conference on *Encryption and Decryption Using Elliptic Curves for Public key Cryptosystems. Pp: 1300-1303 (ICICCS 2017)*, Vaigai College of Engineering Madurai, India,
- > Participated in a Conference on *Image and Video Clustering Techniques in High Dimensional Data Set-A Review. Pp: 140-145 (NCETDSIC-2018)*, Dept of CSE, JNTUH College of Engineering Sultanpur,
- > Participated in a Conference on *Performance Analysis of Feature extraction method based on genetic expression for clustering Video data set (ICCI - 2018)*, Dept of CSE, JNTUH College of Engineering Hyderabad,
- > Participated in a Conference on *An Efficient Approach for Mining Positive and Negative Association Rules from Large Transactional Databases*, Vikram College of Engg, Madurai, Tamilnadu,

-> Administrative Positions Held

- > TS ECET - 2018 COORDINATOR, JNTUH, 01 Feb 2018
- > PUBLIC RELATIONS OFFICER, JNTUH, 06 Jan 2018 - 22 Dec 2018
- > NSS COORDINATOR, JNTUH, 30 Oct 2016 - 22 Dec 2018
- > PIU-CARD COORDINATOR, JNTUH, 30 Oct 2016 - 22 Oct 2018
- > DEPUTY WARDEN FOR BOYS, JNNTUHCE JAGTIAL, 01 Dec 2015 - 28 Nov 2016
- > OFFICER-IN-CHARGE ACADEMIC SECTION (OAS), JNNTUHCE JAGTIAL, 11 Nov 2010
- > FURNITURE INCHARGE, JNNTUHCE JAGTIAL, 26 Aug 2009

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- International Journals
- > *An efficient approach for imputation and classification of medical data values using class-based clustering of medical records*, ELSEVIER Computers and Electrical Engineering , ISBN No.0045 7906, Vol No.66, pp.487-504, 2018
- > Dr. P. Sammulal, *Efficient Iceberg Query Evaluation on Multiple Attributes using Dynamic Programming Approach*, Journal of Adv Research in Dynamical & Control Systems, ISBN No.1943 023x, Vol No.10, Issue No.10, pp.1703-1715, April, 2018
- > *A study on Pancreatic Cancer Detection in Healthcare Applications Using Data Mining Techniques*, Journal of Adv Research in Dynamical & Control Systems, , ISBN No.1943 023X, Vol No.10, Issue No.5, pp.245-254, April, 2018
- > Dr. P. Sammulal, *A Hybrid Approach for Prediction of Type-1 and Type-2 Diabetes using Firefly and Cuckoo Search Algorithms*, International Journal of Applied Engineering Research, , ISBN No.0973 4562, Vol No.13, pp.896-907, November, 2018
- > Dr. P. Sammulal, *An NDVI based spatial pattern analysis for spatial image classification*, International Journal of Applied Engineering Research, ISBN No.0973 4562, June, 2018
- > Dr. P. Sammulal, *Dictionary Learning Features Based Cross Media Retrieval Using Minkowski Distance*, International Journal of Intelligent Engineering & Systems, ISBN No.2185 310x, Vol No.11, Issue No.06, pp.244-251, 2018
- > Dr. P. Sammulal, *Association Rule Mining Using an Unsupervised Neural Network with an Optimized Genetic Algorithm*, Lecture Notes in Electrical Engineering , ISBN No.1876 1100, pp.657-669, 2018
- > *An Optimal Heuristic for Student Failure Detection and Diagnosis in the Sathavahana Educational Community Using WEKA*, Lecture Notes in Electrical Engineering , ISBN No.1876 1100, pp.671-678, 2018
- > Dr. P. Sammulal, *A Novel Hybrid Image Analysis using ACO and Fuzzy Logic for Textured and Non-Textured Images.*, International Journal of Computer Applications, ISBN No.2250 1797, Vol No.2, Issue No.8, pp.119-124, March-April, 2018
- > Dr. P. Sammulal, *A Survey on Leaks and Faults Detection and Diagnosis in Water Supply System*, International Journal of Engineering, Science and Mathematics, ISBN No.2320 0294, Vol No.17, Issue No.02, pp.174-179, February , 2018
- > Dr. P. Sammulal, *Analysis of Advanced Data Mining Prototypes in Spatial Data Analysis*, Journal of Engineering and Applied Sciences, ISBN No.1816 949x, pp.3213-3219, 2017
- > Dr. P. Sammulal, *Anomaly Detection using New Tracing Tricks on Program Executions and Analysis of System Data*, Springer Journal of Advances in Intelligent Systems and Computing , ISBN No.2194 5357, pp.389-389, 2017
- > *Meta Data based Conceptualization and Temporal Semantics in Hybrid Recommender*, International Journal of Rough Sets and Data Analysis , ISBN No.2334 4598, Vol No.4, Issue No.4, October, 2017
- > *Visualization for IBQ Applications*, International Journal of Computer Applications, ISBN No.0975 8887, Vol No.164, Issue No.8, pp.42-46, April, 2017
- > Dr. P. Sammulal, *Techniques for Machine Learning based Special Data Analysis: Research Directions*, International Journal of Computer Applications, ISBN No.0975 8887, Vol No.170, Issue No.1, pp.9-13, July, 2017
- > Dr. P. Sammulal, *Mining Frequent Patterns using Self-Organizing Map with MATLAB Neural Network Toolbox*, International Journal of Advanced Research in Computer Engineering & Technology, ISBN No.2278 1323, Vol No.6, Issue No.12, pp.1845-1850, DECEMBER, 2017
- > Dr. P. Sammulal, *A Class based clustering approach for imputation and mining of medical records (CBC â€“ IM)*, International Journal on Computer Science and Information Systems., ISBN No.1646 3692, Vol No.12, Issue No.01, pp.61-74, 2017
- > Dr. P. Sammulal, *A Hybrid Approach to Handle Cold Start in a Recommender by Exploiting Latent*, International Journal of Applied Engineering Research., ISBN No. 0973 4562, Vol No.11, , Issue No.6, pp.3905-3909, 2016
- > Dr. P. Sammulal, *A Novel Approach for Imputation of Missing Attribute Values for Efficient Mining of Medical Datasets â€“ Class BasedCluster Approach*, ReRevistaTecnica De La Facultad De Ingenieria Universidad Del Zulia (Technical Journal of the Faculty of Engineering, TJFE), ISBN No.0254 0770, Vol No.39, Issue No.2, pp.184-195, 2016
- > Dr. P. Sammulal, *An Effective Hybrid Recommender Using Metadata-based Conceptualization and Temporal Semantics*, International Journal of Engineering and Science, ISBN No.2319 1805, Vol No.04, Issue No.03, pp.4-11, 2016
- > Dr. P. Sammulal, *RBDT: The Cascading of Machine Learning Classifiers for Anomaly Detection with Case Study of Two Datasets*, Springer Journal of Advances in Intelligent Systems and Computing , ISBN No.2194 5357, Vol No.324, pp.309-324, Springer, 2015
- > Dr. P. Sammulal, *Anomaly Detection Through Comparison of Heterogeneous Machine Learning Classifiers vs KPCA.*, Springer Journal of Communications in Computer and Information Science, ISBN No.1865 0929, pp.483-495, 2015
- > Dr. P. Sammulal, *Elliptic Curves as Tool for Public Key Cryptography*, International Journal of Engineering and Science. , ISBN No.2319 6483, Vol No.5, Issue No.5, pp.6-12, jUNE, 2015
- > Dr. P. Sammulal, *CSSF- trie structure to mine constraint Sequential Patterns from Progressive Database*, International Journal of Knowledge Engineering and Data Mining. , ISBN No.1755 2095, Vol No.2, Issue No.4, pp.248-265, 2013
- > *Machine learning approach to anomaly detection in cyber security with a case study of spamming attack*, International Journal of Computer Engineering & Technology(IJCET),, ISBN No.0976 6367 E-ISSN 0976-6375, Vol No.4, Issue No.3, pp.113-122, May-June, 2013

Two Day Workshop on "AI & Its Applications"



Report

AI and Applications workshop was organized by department of Computer science and Engineering, Sreyas institute of Engineering and Technology during 27.04.18 and 28.04.18. This workshop has happened for two days.

The Inauguration function has been started by a soothing devotional song by G.Lassya, a student of SIET. Continuing with that Principal SIET Dr.Suresh Akella , HOD's of various departments, faculty and participants were present. In the inaugural speech Dr.D.V.S.S.Subrahamanyam, HoD, CSE said that AI is an approach to make robot or a product to think how smart human think and finally this study outputs intelligent software systems. He also encouraged the students to make use of this workshop to enhance skills on their working of projects and other future learning.

Dr.P.Sammulal attended as resource person for the workshop. In the workshop the topics covered are : Statistical methods, naive-Bayes, nearest neighbor, kernel, neural network models, applications, Robotics. He mainly stressed on Application area of Artificial intelligence. The sessions were well presented by him and it was very interactive and interesting for students.

The valedictory ceremony was conducted on 28.04.2018 at 4.30 P.M. The valedictory session was addressed by Dr.D.V.S.S.Subrahamanyam, HoD, SIET.

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